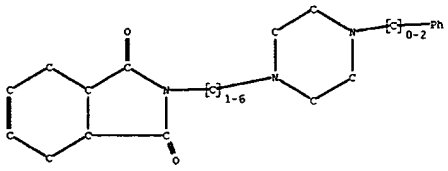
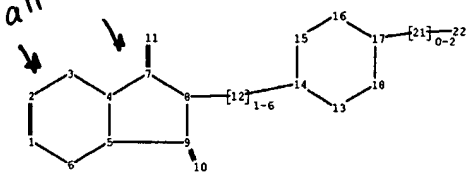
C:\Program Files\Stnexp\Queries\0999811 5.str



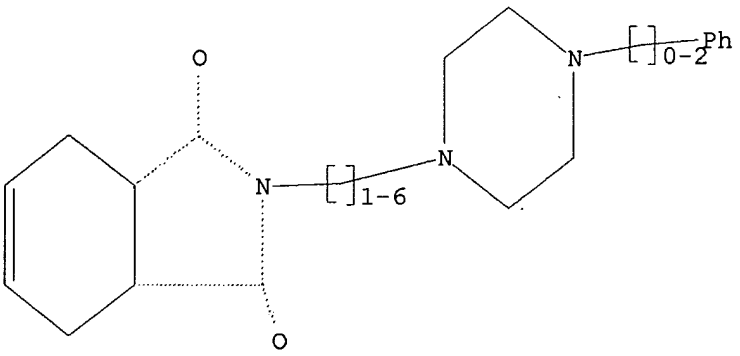


chain nodes :
10 11 12 21 22
ring nodes :
1 2 3 4 5 6 7 8 9 13 14 15 16 17 18
chain bonds :
7-11 8-12 9-10 12-14 17-21 21-22
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 13-14 13-18 14-15
15-16 16-17 17-18
exact/norm bonds :
8-12 12-14 13-14 13-18 14-15 15-16 16-17 17-18 17-21
exact bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 7-11 8-9 9-10 21-22

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:CLASS 11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom
17:Atom 18:Atom 21:CLASS 22:CLASS

```
Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:sssptau122ebb

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *  Welcome to STN International  * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Jan 25  BLAST(R) searching in REGISTRY available in STN on the Web
 NEWS  3  Jan 29  FSTA has been reloaded and moves to weekly updates
 NEWS  4  Feb 01  DKILIT now produced by FIZ Karlsruhe and has a new update
                  frequency
 NEWS  5  Feb 19  Access via Tymnet and SprintNet Eliminated Effective 3/31/02
 NEWS  6  Mar 08  Gene Names now available in BIOSIS
 NEWS  7  Mar 22  TOXLIT no longer available
 NEWS  8  Mar 22  TRCTHERMO no longer available
 NEWS  9  Mar 28  US Provisional Priorities searched with P in CA/CAplus
                  and USPATFULL
 NEWS 10  Mar 28  LIPINSKI/CALC added for property searching in REGISTRY
 NEWS 11  Apr 02  PAPERCHEM no longer available on STN.  Use PAPERCHEM2 instead.
 NEWS 12  Apr 08  "Ask CAS" for self-help around the clock
 NEWS 13  Apr 09  BEILSTEIN: Reload and Implementation of a New Subject Area
 NEWS 14  Apr 09  ZDB will be removed from STN
 NEWS 15  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
 NEWS 16  Apr 22  Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS 17  Apr 22  BIOSIS Gene Names now available in TOXCENTER
 NEWS 18  Apr 22  Federal Research in Progress (FEDRIP) now available
 NEWS 19  May 31  PCTFULL to be reloaded.  File temporarily unavailable.
 NEWS 20  Jun 03  New e-mail delivery for search results now available
 NEWS 21  Jun 10  MEDLINE Reload

 NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *


FILE 'HOME' ENTERED AT 11:48:31 ON 10 JUN 2002
```

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:48:52 ON 10 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES:    7 JUN 2002  HIGHEST RN 427375-75-5
DICTIONARY FILE UPDATES:   7 JUN 2002  HIGHEST RN 427375-75-5

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 09998115.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
```

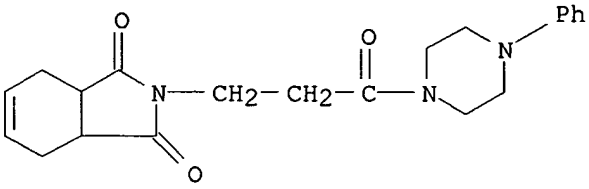



```
Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 11:49:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     54 TO ITERATE

100.0% PROCESSED      54 ITERATIONS                                 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          640 TO     1520
PROJECTED ANSWERS:               7 TO      298
```

L2 7 SEA SSS SAM L1

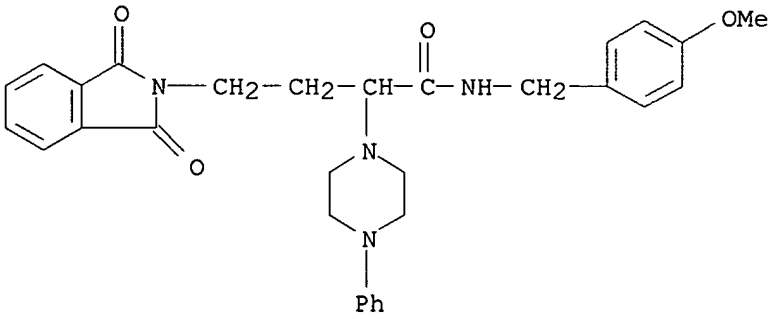
=> d 12 1-5

L2 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2002 ACS
RN 422271-22-5 REGISTRY
CN Piperazine, 1-[3-(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)-1-oxopropyl]-4-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H25 N3 O3
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

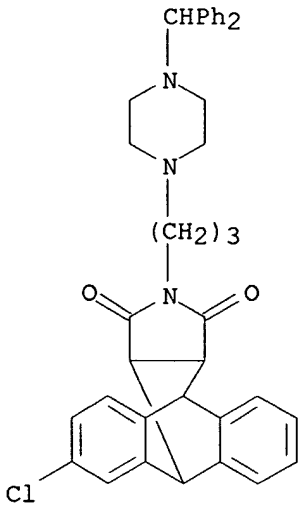
L2 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2002 ACS
RN 172883-62-4 REGISTRY
CN 2H-Isoindole-2-butanamide, 1,3-dihydro-N-[(4-methoxyphenyl)methyl]-1,3-dioxo-.alpha.-(4-phenyl-1-piperazinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H32 N4 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

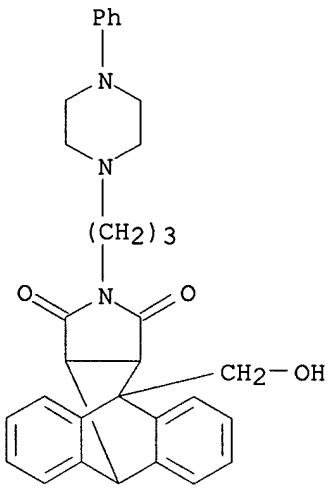
L2 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2002 ACS
RN 170285-60-6 REGISTRY
CN 4,9[1',2']-Benzeno-1H-benz[f]isoindole-1,3(2H)-dione, 6-chloro-2-[3-[4-(diphenylmethyl)-1-piperazinyl]propyl]-3a,4,9,9a-tetrahydro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H36 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

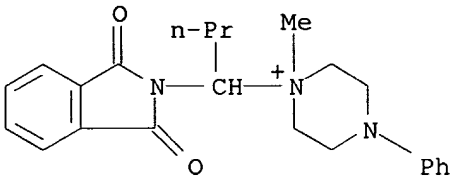
L2 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2002 ACS
RN 169877-65-0 REGISTRY
CN 4,9[1',2']-Benzeno-1H-benz[f]isoindole-1,3(2H)-dione, 3a,4,9,9a-tetrahydro-4-(hydroxymethyl)-2-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C32 H33 N3 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2002 ACS
RN 100769-04-8 REGISTRY
CN 1-Methyl-4-phenyl-1-(1-phthalimidobutyl)piperazinium iodide (7CI) (CA INDEX NAME)
MF C23 H28 N3 O2 . I
SR CAOLD
LC STN Files: CAOLD



● I^-

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> log y
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         8.66       8.87

STN INTERNATIONAL LOGOFF AT 11:50:07 ON 10 JUN 2002


=> s l1 sss full
FULL SEARCH INITIATED 12:15:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    376 TO ITERATE

100.0% PROCESSED     376 ITERATIONS                              26 ANSWERS
SEARCH TIME: 00.00.03

L3           26 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       142.62     142.83

FILE 'CAPLUS' ENTERED AT 12:15:30 ON 10 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 10 Jun 2002  VOL 136 ISS 24
FILE LAST UPDATED: 7 Jun 2002  (20020607/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> s l3
L4           13 L3

=> d l4 1-13 hitstr bib abs
```

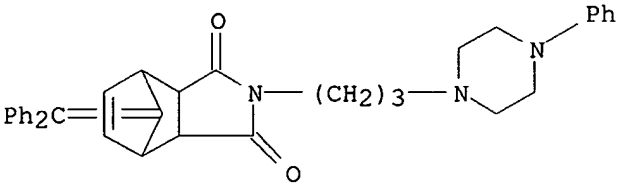
L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS

IT **363132-98-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of arylpiperazinylalkyl(diphenylmethylene)bicycloheptenedicarboximides)

RN 363132-98-3 CAPLUS

CN 4,7-Methano-1H-isoindole-1,3(2H)-dione, 8-(diphenylmethylene)-3a,4,7,7a-tetrahydro-2-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



AN 2001:258351 CAPLUS

DN 135:272825

TI Synthesis of new N-substituted cyclic imides with an expected anxiolytic activity. XI. Derivatives of 7-diphenylmethylenebicyclo[2.2.1]hept-2-ene-5,6-dicarboximide

AU Kossakowski, Jerzy; Hejchman, Elzbieta

CS Department of Medical Chemistry, The Medical University of Warsaw, Warsaw, 02-007, Pol.

SO Acta Poloniae Pharmaceutica (2000), 57(Suppl.), 57-60
CODEN: APPHAX; ISSN: 0001-6837

PB Polish Pharmaceutical Society

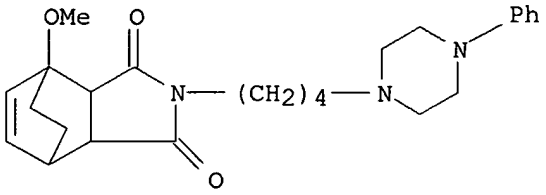
DT Journal

LA English

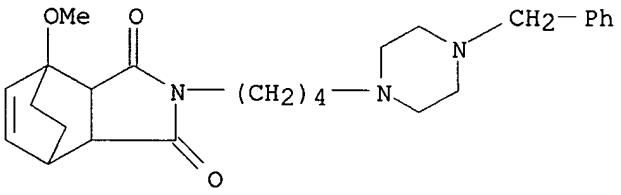
AB Title compds. with expected anxiolytic activity were prepd. by reaction of 6,6-diphenylfulvene with maleimide, haloalkylation, and amination with N-arylpiperazines.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **363594-58-5P 363594-59-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of arylpiperazinylalkylbicyclooctanedicarboximides)
RN 363594-58-5 CAPLUS
CN 4,7-Ethano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-4-methoxy-2-[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



RN 363594-59-6 CAPLUS
CN 4,7-Ethano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-4-methoxy-2-[4-[4-(phenylmethyl)-1-piperazinyl]butyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

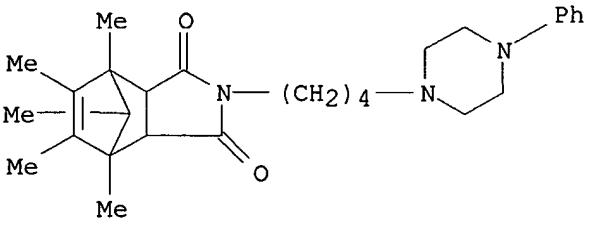
AN 2001:258350 CAPLUS
DN 135:272824
TI Synthesis of new N-substituted cyclic imides with an expected anxiolytic activity. XIII. Derivatives of 1-methoxybicyclo[2.2.2]oct-5-ene-2,3-dicarboximide
AU Kossakowski, Jerzy; Krawiecka, Mariola
CS Department of Medical Chemistry, The Medical University of Warsaw, Warsaw, 02-007, Pol.
SO Acta Poloniae Pharmaceutica (2000), 57(Suppl.), 53-56
CODEN: APPHAX; ISSN: 0001-6837
PB Polish Pharmaceutical Society
DT Journal
LA English
AB Title compds. with expected anxiolytic activity were prepd. by reaction of anisole with maleimide, haloalkylation, a substitution with N-substituted piperazines.
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS

IT **261160-97-8P 261161-02-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and anxiolytic activity of pentamethylbicycloheptenedicarboximides)

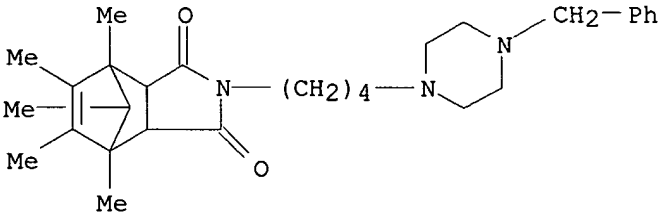
RN 261160-97-8 CAPLUS

CN 4,7-Methano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-4,5,6,7,8-pentamethyl-2-[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



RN 261161-02-8 CAPLUS

CN 4,7-Methano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-4,5,6,7,8-pentamethyl-2-[4-[4-(phenylmethyl)-1-piperazinyl]butyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

AN 2000:74841 CAPLUS

DN 132:222411

TI Synthesis of new derivatives of 1,2,3,4,7-pentamethylbicyclo[2.2.1]hept-2-ene-5,6-dicarboximide with an expected anxiolytic activity

AU Kossakowski, J.; Kusmierczyk, J.

CS Department of Medical Chemistry, Medical University of Warsaw, Pol.

SO Pharmazie (2000), 55(1), 5-8
CODEN: PHARAT; ISSN: 0031-7144

PB Govi-Verlag Pharmazeutischer Verlag

DT Journal

LA English

AB The prepn. of a no. of derivs. of 1,2,3,4,7-pentamethylbicyclo[2.2.1]hept-2-ene-5,6-dicarboximide with potential anxiolytic activity has been described. The aim of our study was to obtain new analogs of tandospirone, that is derivs. of cyclic imides.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

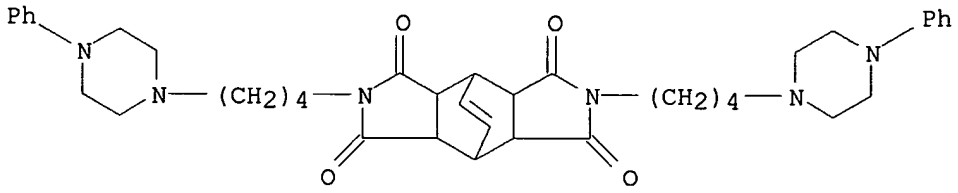
L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS

IT **187875-52-1P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and 5-HT1areceptor affinity of bis(aminoalkyl)-substituted bicyclooctenetetracarboxydiimides)

RN 187875-52-1 CAPLUS

CN 4,8-Ethenobenzo[1,2-c:4,5-c']dipyrrole-1,3,5,7(2H,6H)-tetrone, 3a,4,4a,7a,8,8a-hexahydro-2,6-bis[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



AN 1997:112713 CAPLUS

DN 126:212068

TI Synthesis of N,N'-bis-aminoalkyl-substituted derivatives of bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxydiimide with potential anxiolytic activity

AU Turlo, Jadwiga; Zawadowski, Teodor

CS Zaklad Chemii Medycznej, Akademia Medyczna w Warszawie, Warsaw, 02-007, Pol.

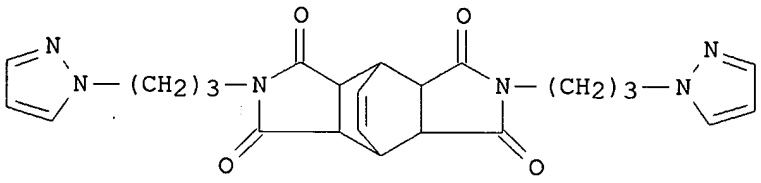
SO Farmaco (1996), 51(12), 815-818
CODEN: FRMCE8

PB Societa Chimica Italiana

DT Journal

LA English

GI



I

AB In continuation of the search for discovering new antipsychotic and anxiolytic agents with a reduced prodn. of extrapyramidal side-effects, a series of N,N'-bis-aminoalkyl derivs. of bicyclo[2.2.2]oct-7-enetetracarboxydiimide, e.g., I, was prepd. Evaluation of these compds. in vitro revealed a very low affinity for 5-HT1A receptor.

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

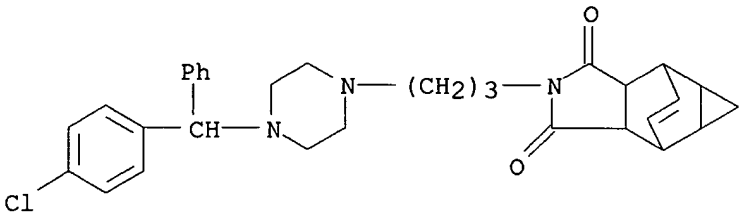
IT **118958-41-1P 170122-50-6P 170122-51-7P**

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. of substituted piperazine and piperidine derivs. as novel H1-antagonists)

RN 118958-41-1 CAPLUS

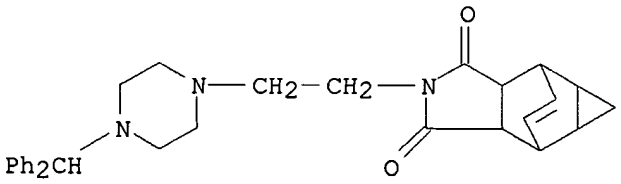
CN 4,6-Ethenocycloprop[f]isoindole-1,3(2H,3aH)-dione, 2-[3-[4-[(4-chlorophenyl)phenylmethyl]-1-piperazinyl]propyl]-4,4a,5,5a,6,6a-hexahydro-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 170122-50-6 CAPLUS

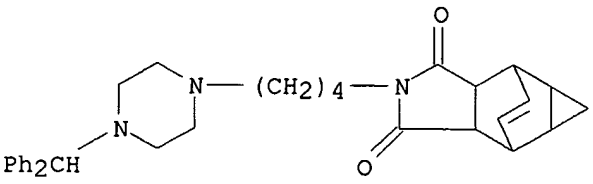
CN 4,6-Ethenocycloprop[f]isoindole-1,3(2H,3aH)-dione, 2-[2-[4-(diphenylmethyl)-1-piperazinyl]ethyl]-4,4a,5,5a,6,6a-hexahydro-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 170122-51-7 CAPLUS

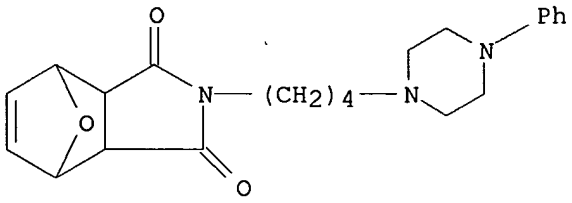
CN 4,6-Ethenocycloprop[f]isoindole-1,3(2H,3aH)-dione, 2-[4-[4-(diphenylmethyl)-1-piperazinyl]butyl]-4,4a,5,5a,6,6a-hexahydro-, dihydrochloride (9CI) (CA INDEX NAME)



2 HCl

AN 1995:790894 CAPLUS
DN 123:313810
TI New Antihistamines: Substituted Piperazine and Piperidine Derivatives as Novel H1-Antagonists
AU Abou-Gharbia, Magid; Moyer, John A.; Nielsen, Susan T.; Webb, Michael; Patel, Usha
CS Medicinal Chemistry and CNS Department, Wyeth-Ayerst Research, Princeton, NJ, 08543-8000, USA
SO J. Med. Chem. (1995), 38(20), 4026-32
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
AB Structural manipulation of polycyclic piperazinyl imide serotonergic agents led to the synthesis of 2-[4-[4-[bis(4-fluorophenyl)methyl]-1-piperazinyl]butyl]-4,4a,5,5a,6,6a-hexahydro-4,6-ethenocycloprop[f]isoindole-1,3(2H,3aH)-dione (8), which demonstrated good H1-antagonist activity. Substitution of a xanthinyl moiety for the polycyclic imide group led to the identification of novel xanthinyl-substituted piperazinyl and piperidinyl derivs. with potent antihistamine H1-activity without the undesirable antidopaminergic activity of 8. 7-[3-[4-(Diphenylmethoxy)-1-piperidinyl]propyl]-3,7-dihydro-1,3-dimethyl-1H-pyrine-2,6-dione is a potent, orally active H1-antagonist with a long duration of action and a favorable central nervous system profile.

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **170746-77-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of [(heterocyclyl)alkyl]-4,7-epoxyisoindolediones)
RN 170746-77-7 CAPLUS
CN 4,7-Epoxy-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



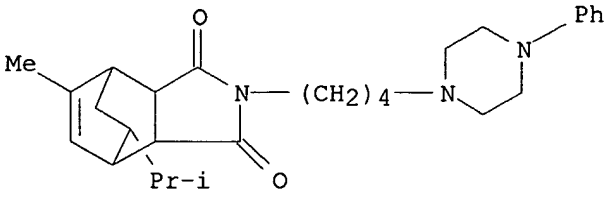
AN 1995:732992 CAPLUS
DN 123:340035
TI Synthesis of N-(heterocyclyl)alkyl derivatives of exo-7-oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide
AU Zawadowski, Teodor; Grabowska, Marta; Mazur, Jolanta
CS Dep. Med. Chem., Sch. Med., Warsaw, 02007, Pol.
SO Acta Pol. Pharm. (1995), 52(2), 125-8
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA English
AB The synthesis of exo-2-[(2-piperazinyl)alkyl]-3a,4,7,7a-tetrahydro-4,7-epoxy-1H-isoindole-1,3(2H)-diones and exo-2-[(4-morpholinyl)alkyl]-3a,4,7,7a-tetrahydro-4,7-epoxy-1H-isoindole-1,3(2H)-diones was described. Biol. activity data for these compds. was not reported.

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS

IT **170876-56-9P 170876-62-7P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of bicyclo[2.2.2]octenedicarboximide derivs.)

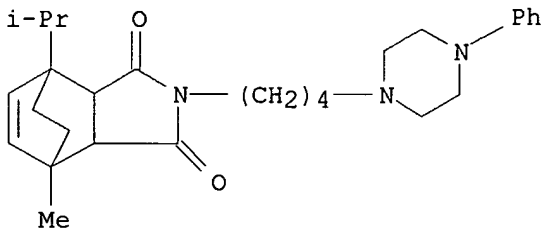
RN 170876-56-9 CAPLUS

CN 4,7-Ethano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-5-methyl-8-(1-methylethyl)-2-[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



RN 170876-62-7 CAPLUS

CN 4,7-Ethano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-4-methyl-7-(1-methylethyl)-2-[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



AN 1995:732991 CAPLUS

DN 123:340034

TI Synthesis and pharmacological profile of bicyclo[2.2.2]octane derivatives: N-(1-aryl-4-piperazinylbutyl) derivatives of 7-isopropyl-6-methyl- and 1-isopropyl-4-methylbicyclo[2.2.2]-oct-5-ene-2,3-dicarboximide

AU Zawadowski, Teodor; Skowron, Adam A.; Suski, Slawomir; Rump, Slawomir; Jakowicz, Izabella

CS Dep. Med. Chem., Sch. Med., Warsaw, 02007, Pol.

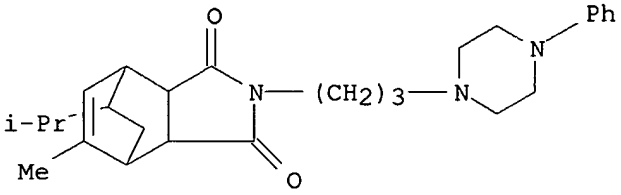
SO Acta Pol. Pharm. (1995), 52(2), 129-32
CODEN: APPHAX; ISSN: 0001-6837

DT Journal

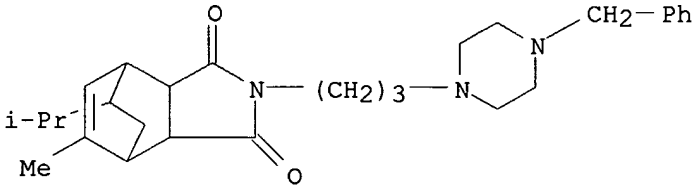
LA English

AB The synthesis of 3a,4,7,7a-tetrahydro-5-methyl-8-(1-methylethyl)-2-[(1-piperazinyl)butyl]-4,7-ethano-1H-isoindole-1,3(2H)-dione and 3a,4,7,7a-tetrahydro-4-methyl-7-(1-methylethyl)-2-[(1-piperazinyl)butyl]-4,7-ethano-1H-isoindole-1,3(2H)-dione derivs. was described. In radioreceptor and anticonflict tests the compds. prepd. were inferior to buspirone.

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **167874-48-8P 167874-50-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 167874-48-8 CAPLUS
CN 4,7-Ethano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-5-methyl-8-(1-methylethyl)-2-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)

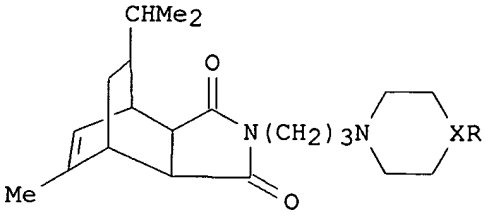


RN 167874-50-2 CAPLUS
CN 4,7-Ethano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-5-methyl-8-(1-methylethyl)-2-[3-[4-(phenylmethyl)-1-piperazinyl]propyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

AN 1995:557007 CAPLUS
DN 123:256468
TI Synthesis of a series of N-substituted imides of 7-isopropyl-6-methylbicyclo[2.2.2]oct-5-ene-2,3-dicarboxylic acid
AU Zawadowski, Teodor; Skowron, Adam Andrzej; Suski, Slawomir
CS Dep. Med. Chem., Sch. Med., Warsaw, 02-007, Pol.
SO Acta Pol. Pharm. (1994), 51(6), 471-3
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA English
GI



I

AB The title compds. I (XR = O; X = N, R = Me, Ph, 4-FC6H4, PhCH2, 2-CF3C6H4CH2CH2, 2-MeOC6H4, and R1COCH2; R1 = morpholino) were prepd. from the corresponding cyclic anhydride and the appropriately N-cyclosubstituted 1,3-diaminopropane or from the N-(3-chloropropyl)-deriv. of the corresponding cyclic imide and the appropriately substituted cyclic amine.

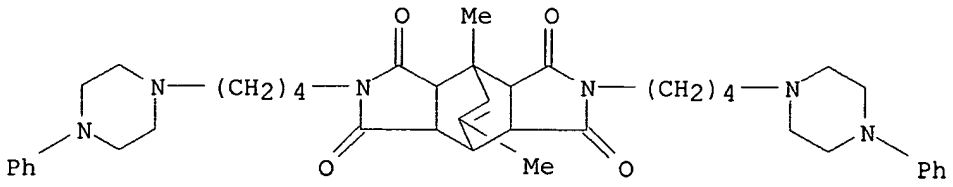
L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS

IT **162747-28-6P**

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of ethenobenzo[1,2-c:4,5-c']dipyrrole-1,3,5,7(2H,6H)-tetrone derivs. as anxiolytics)

RN 162747-28-6 CAPLUS

CN 4,8-Ethenobenzo[1,2-c:4,5-c']dipyrrole-1,3,5,7(2H,6H)-tetrone, 3a,4,4a,7a,8,8a-hexahydro-4,9-dimethyl-2,6-bis[4-(4-phenyl-1-piperazinyl)butyl]- (9CI) (CA INDEX NAME)



AN 1995:387166 CAPLUS

DN 122:265332

TI Synthesis and pharmacological screening of some N,N'-bis-[4-(4-aryl-1-piperazinyl)butyl]-substituted derivatives of bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic 2,3:5,6-diimide

AU Turlo, Jadwiga; Zawadowski, Teodor; Rump, Slawomir; Jakowicz, Izabella; Gidynska, Telesfora; Galecka, Elzbieta

CS Department of Medical Chemistry, Medical Academy, Warsaw, 02-007, Pol.

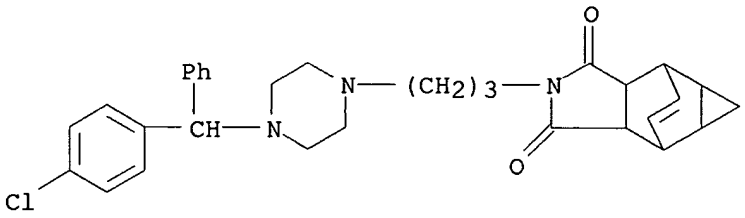
SO Pol. J. Pharmacol. (1994), 46(5), 451-5
CODEN: PJPAE3; ISSN: 1230-6002

DT Journal

LA English

AB Several derivs. of the title compd., i.e., bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic 2,3:5,6-diimide [4,8-ethenobenzo[1,2-c:4,5-c']dipyrrole-1,3,5,7(2H,6H)-tetrone derivs.] were prepd. Some of them displayed an expected anxiolytic activity. The 5-HT1A receptor affinities of tested compds. are comparable with that of buspirone.

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **118958-41-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antihistaminic)
RN 118958-41-1 CAPLUS
CN 4,6-Ethenocycloprop[f]isoindole-1,3(2H,3aH)-dione, 2-[3-[4-[(4-chlorophenyl)phenylmethyl]-1-piperazinyl]propyl]-4,4a,5,5a,6,6a-hexahydro-, dihydrochloride (9CI) (CA INDEX NAME)

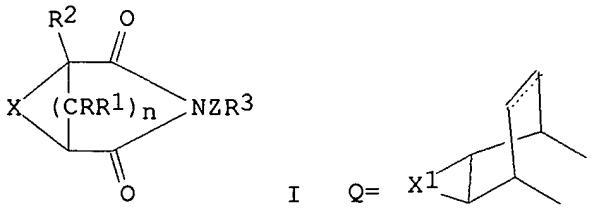


●2 HCl

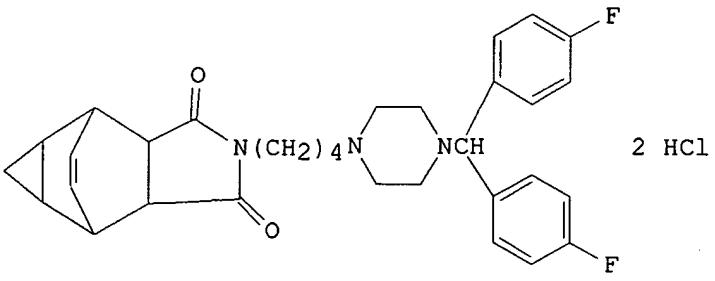
AN 1989:94996 CAPLUS
DN 110:94996
TI Preparation of cyclic imides as histamine H1 receptor antagonists
IN Abou-Gharbia, Magid A.; Nielsen, Susan T.
PA American Home Products Corp., USA
SO U.S., 5 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4777254	A	19881011	US 1986-937167	19861202

OS CASREACT 110:94996; MARPAT 110:94996
GI



I Q=



II

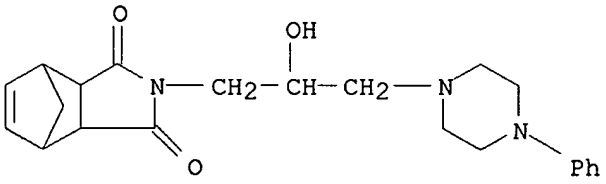
AB The title compds. (I; R-R2 = H, alkyl; RR1 = alkylene; R3 = N-substituted

arom. amino, cycloaliph. amino; X = polycyclic alkanediyl moiety; Z = bond, C1-5 alkylene) and their salts, esp. I [n = 0; R2 = H; R3 = 4-[bis(4-fluorophenyl)methyl]-1-piperazinyl; X = Q; X1 = bond, C1-4 alkylene, C2-4 alkenylene; Z = C2-5 alkylene] and I (n = 1; RR1 = C2-5 alkylene, R2, R3, X, Z as given), were prepd. as histamine H1 receptor antagonists, useful for treatment of allergic conditions. 4,4A,5,5a,6,6a-hexahydro-4,6-ethenocycloprop[f]isoindole-1,3(2H,3aH)-dione was N-alkylated with Br(CH2)4Br and the product was condensed with 1-[bis(4-fluorophenyl)methyl]piperazine to give, after acidification, title cyclic imide II. In isolated guinea pig ileum I gave 98% inhibition of histamine-induced contraction at 10-6 M.

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **84916-90-5P 84917-09-9P 84918-47-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 84916-90-5 CAPLUS
CN 4,7-Methano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-, (2Z)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

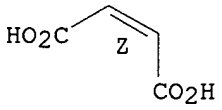
CRN 84916-89-2
CMF C22 H27 N3 O3



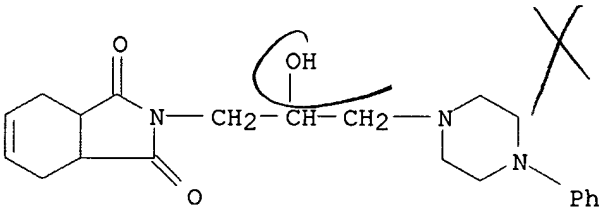
CM 2

CRN 110-16-7
CMF C4 H4 O4
CDES 2:Z

Double bond geometry as shown.



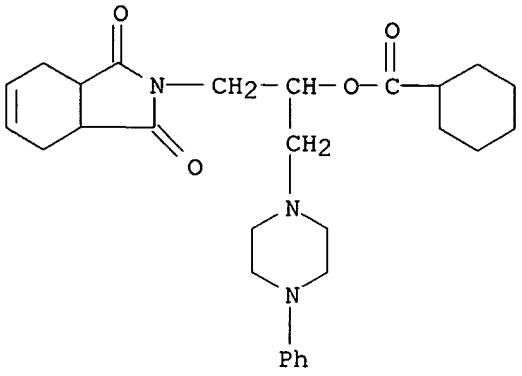
RN 84917-09-9 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



RN 84918-47-8 CAPLUS
CN Cyclohexanecarboxylic acid, 1-[(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl]-2-(4-phenyl-1-piperazinyl)ethyl ester, (2Z)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

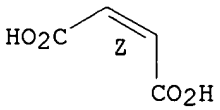
CRN 84918-46-7
CMF C28 H37 N3 O4



CM 2

CRN 110-16-7
CMF C4 H4 O4
CDES 2:Z

Double bond geometry as shown.



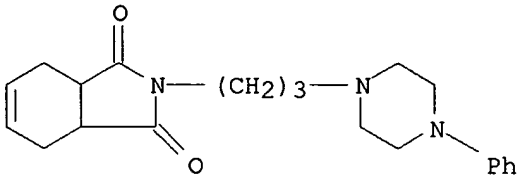
AN 1984:510951 CAPLUS
DN 101:110951
TI Carboxylic acid imides
PA Eisai Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 38 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 59036661	A2	19840228	JP 1982-146837	19820826

GI For diagram(s), see printed CA Issue.

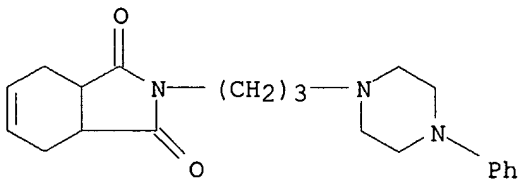
AB Title compds. I (R = H, acyl; R1 = alkyl, aralkyl, aryl, (un)substituted pyridyl, pyrimidyl, benzothiazolyl; Z = Q, Q1, etc., n = 2, 3] were prepd. Thus, alkylation of endo-cis-bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid imide with epichlorohydrin followed by amination with 1-(2-pyridyl)piperazine gave I (R = H, R1 = 2-pyridyl, Z = Q1, n = 2). N-[2-Cyclohexylcarbonyloxy-3-[4-(2-pyridyl)piperazin-1-yl]propyl]succinimide maleate showed antidiabetic activity at 10 mg/kg orally in rats.

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **90619-34-4P 90619-54-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and sedative activity of)
RN 90619-34-4 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[3-(4-phenyl-1-piperazinyl)propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



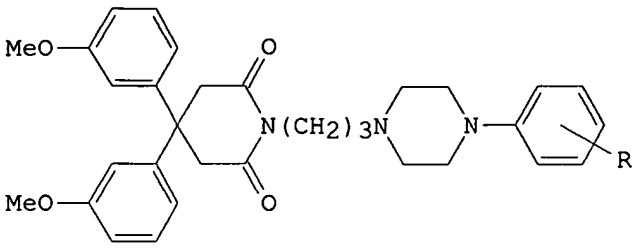
●2 HCl

RN 90619-54-8 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)

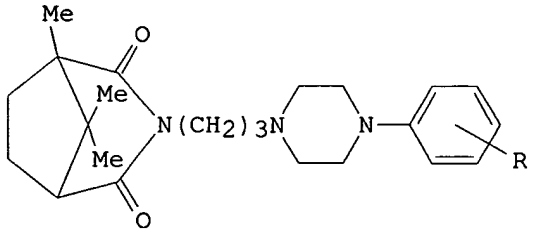


AN 1984:423432 CAPLUS
DN 101:23432
TI Synthesis of N-[3-(4-aryl-1-piperazinyl)propyl]-4,4-bis(4-methoxyphenyl)piperidine-2,6-diones/tetrahydrophthalimides/camphorimides as sedatives
AU Korgaonkar, U. V.; Kulkarni, R. A.; Samant, S. D.
CS Ramnarain Ruia Coll., Bombay, 400 019, India
SO J. Indian Chem. Soc. (1983), 60(9), 874-6
CODEN: JICSAH; ISSN: 0019-4522
DT Journal
LA English
GI

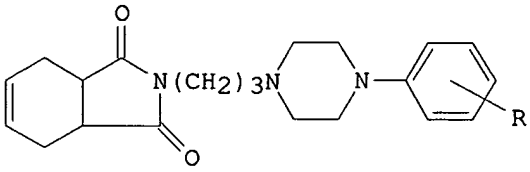
provided.



I



II



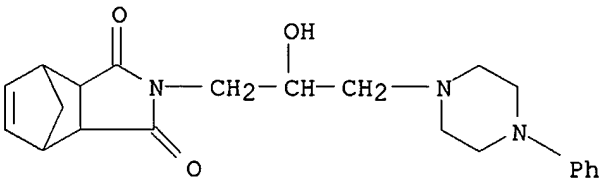
III

AB Twenty-one title compds. I-III (R = H, Me, Cl) were prepd. in 48-70% yields by treating 3,3-bis(4-methoxyphenyl)pentanedioic anhydride, camphoric anhydride and tetrahydrophthalic anhydride with the corresponding piperazino propylamines. I were inactive but II and III exhibited significant sedative effect on mice.

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
IT **84916-90-5P 84917-09-9P 84918-47-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 84916-90-5 CAPLUS
CN 4,7-Methano-1H-isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]-, (2Z)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

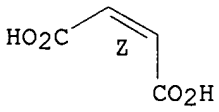
CRN 84916-89-2
CMF C22 H27 N3 O3



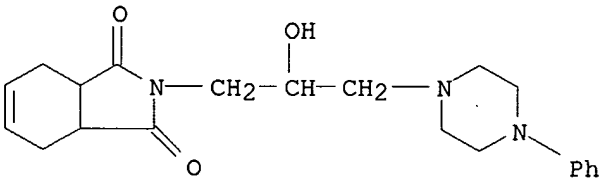
CM 2

CRN 110-16-7
CMF C4 H4 O4
CDES 2:Z

Double bond geometry as shown.



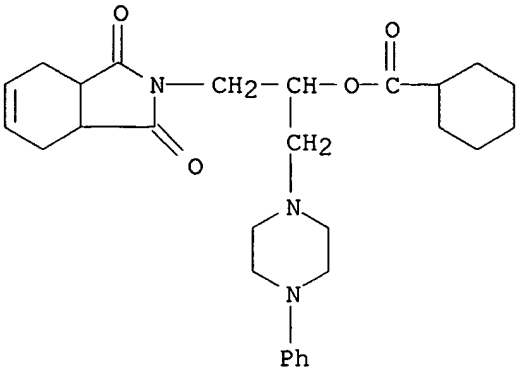
RN 84917-09-9 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[2-hydroxy-3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



RN 84918-47-8 CAPLUS
CN Cyclohexanecarboxylic acid, 1-[(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl]-2-(4-phenyl-1-piperazinyl)ethyl ester, (2Z)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

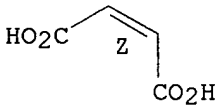
CRN 84918-46-7
CMF C28 H37 N3 O4



CM 2

CRN 110-16-7
CMF C4 H4 O4
CDES 2:Z

Double bond geometry as shown.



AN 1983:126160 CAPLUS
DN 98:126160
TI Carboximide derivatives and pharmaceutical compositions containing them
IN Hirose, Noriyasu; Souda, Shigeru; Miyake, Kazutoshi; Kuriyama, Shizuo; Usuki, Kazuyasu; Akiyama, Yasuhiro; Sakabe, Naoko; Kawashima, Hidetoshi
PA Eisai Co., Ltd. , Japan
SO Ger. Offen., 85 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3220262	A1	19821216	DE 1982-3220262	19820528
	JP 57197265	A2	19821203	JP 1981-80866	19810529
	JP 02029671	B4	19900702		
	SE 8203272	A	19821130	SE 1982-3272	19820526
	SE 450894	B	19870810		
	SE 450894	C	19871119		
	NL 8202173	A	19821216	NL 1982-2173	19820527
	US 4479954	A	19841030	US 1982-382792	19820527
	DK 8202419	A	19821130	DK 1982-2419	19820528
	FR 2506771	A1	19821203	FR 1982-9376	19820528
	FR 2506771	B1	19850301		
	ES 512642	A1	19830901	ES 1982-512642	19820528
	CH 649287	A	19850515	CH 1982-3333	19820528
	CA 1211436	A1	19860916	CA 1982-403984	19820528
	BE 893378	A1	19821201	BE 1982-208242	19820601
	GB 2101590	A1	19830119	GB 1982-15992	19820601
	GB 2101590	B2	19850619		
	ES 523205	A1	19850216	ES 1983-523205	19830613
	ES 537721	A1	19851016	ES 1984-537721	19841116

PRAI JP 1981-80866 19810529
GI For diagram(s), see printed CA Issue.
AB I [A = bicycloheptenediyl, cyclohexenediyl, benzenediyl, CH2CH2, etc.; R = H or acyl; R1 = alkyl, aryl, (un)substituted pyridyl, pyrimidyl, benzothiazolyl; n = 2 or 3] were prepd. (.apprx.140) and found effective in lowering blood sugar level. Thus, endo-cis-bicyclo[2.2.1]hept-4-ene-2,3-dicarboximide was treated with epichlorohydrin and the product treated with 1-(2-pyridylpyridine), then acylated with, e.g., cyclohexanecarbonyl chloride to give II.

```
=> file caold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    57.45     200.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -8.05      -8.05

FILE 'CAOLD' ENTERED AT 12:16:13 ON 10 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> s l3
L5            1 L3

=> d l5
```

L5 ANSWER 1 OF 1 CAOLD COPYRIGHT 2002 ACS
AN CA61:4404b CAOLD
TI maleimide adduct of levopimaric acid and derivs.
AU Clinton, Raymond O.; Manson, A. J.
PA Sterling Drug Inc.
DT Patent
TI vitamin A ester
PA N. V. Philips' Gloeilampenfabrieken
DT Patent

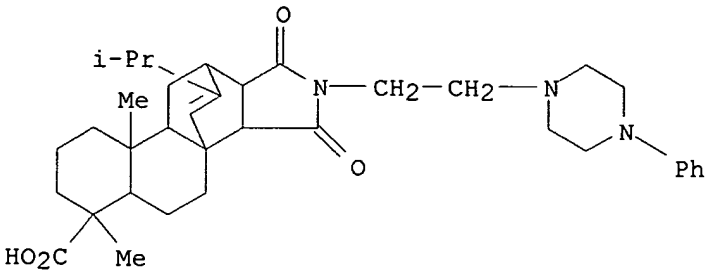
	PATENT NO.	KIND	DATE
PI	FR 1357240		
	DE 1211179		
	GB 1028226		
	US 3287382		1966
PI	US 3135749		1964

IT 14440-18-7 101607-51-6 103571-60-4 104352-85-4 104353-14-2 105185-38-4
105374-70-7 105374-71-8 **106194-82-5** 106406-23-9 106631-12-3
106784-48-9 106884-35-9 107156-16-1 107226-37-9 107894-03-1 107964-46-5

See i

```
=> d hitstr
```

L5 ANSWER 1 OF 1 CAOLD COPYRIGHT 2002 ACS
IT **106194-82-5**
RN 106194-82-5 CAOLD
CN 3b,11-Etheno-3bH-naphth[2,1-e]isoindole-6-carboxylic acid, 1,2,3,3a,4,5,5a,6,7,8,9,9a,9b,10,11,11a-hexadecahydro-12-isopropyl-6,9a-dimethyl-1,3-dioxo-2-[2-(4-phenyl-1-piperazinyl)ethyl]- (7CI) (CA INDEX NAME)



=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.71	203.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-8.05

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:17:49 ON 10 JUN 2002